Please be our guest at the 12th Annual SUNY Cobleskill Agriculture and Natural Resources High School Day on Friday, September 29th. The day will give your students the opportunity to see what SUNY Cobleskill has to offer should they decide to choose a career related to Agriculture & Natural Resources.

**Registration** - To register for Ag High School Day, please use our registration link found on our homepage at [www.cobleskill.edu](http://www.cobleskill.edu) or contact the School of Agriculture & Natural Resources Office at (518) 255-5323. When you come to campus, please bring with you a list of names of the students that are attending or email it to lauteral@cobleskill.edu. This helps us to make sure we spell student names correctly on the contest results listing.

**Lunch** – This year we will again host a picnic with an awards presentation (for visiting students, faculty and administrators) hosted by SUNY Cobleskill’s Provost, Susan Zimmerman and the School of Agriculture and Natural Resources. Pre-registration is required. If you have not yet pre-registered for Ag High School Day and the luncheon and would like to attend, please register on-line at [www.cobleskill.edu](http://www.cobleskill.edu) or contact the School of Agriculture & Natural Resources Office at (518) 255-5323.

**New Policy!!!** Students must be chaperoned at all times by a chaperone due to the campus Child Protection Policy. We request that you bring an adequate number of chaperones to properly supervise students at all times. (Suggested 1 chaperone/10 students) *Students must be accompanied at all times by an appropriate chaperone from the Group/Organization bringing the students to campus (including any trips to bathrooms).*

We cannot wait to see you at Agriculture & Natural Resources High School Day!

**Schedule of Activities**

8:30 a.m. – 9:30 a.m.       Student Drop Off & Check-In  
Ground Floor Lobby,  
Center for Agriculture & Natural Resources

9:00 a.m. – 11:00 a.m.      Coffee, Donuts, and Conversation  
(for visiting administrators and teachers)  
Deans Suite Meeting Room 005C, Center for Agriculture & Natural Resources

9:00 a.m. – 11:00 a.m.      Contest Competitions  
(locations to be determined)

10:00 a.m. – 11:30 a.m.      Putting Contest (for Ag teachers)  
Golf green outside of Curtis-Mott

11:00 a.m. – 12:30 p.m.      Picnic and Awards Presentation  
Field House

12:30 p.m.                   Program Concludes
Agricultural Sales – 9:00 a.m. to 11:00 a.m. (Team contest)
This event is modeled after the team sales situation portion of the National FFA Agricultural Sales CDE. Teams of up to four individuals will be provided with product information, market situation and several potential customers in order to develop the strategy necessary to prepare to sell in a face-to-face sales call. Teams will have 25 minutes to examine all information provided, discuss and develop ideas and prepare a 10-minute presentation with a 5 minute question follow-up. Teamwork skills, analysis of information, quality of the solution, overall presentation and responses to questions will all be evaluated during the event. No more than one team per school.

Meat Product Identification – 9:00 a.m. – 11:00 a.m. (Individual Contest)
Students will identify each beef primal cut with two subprimal or fabricated cuts taken from the carcass and list its location on the carcass. Samples will be provided for each primal along with a written exam.

Pie Bake Off – 9:00 – 10:00 a.m. (Team Contest)
Bring us your best pie, be it sweet or savory. One team (up to 4 members) may enter its favorite pie. Your pie will be judged on presentation (both the pie and the display), as well as the flavor! You must include a copy of your recipe with your entry. Competitors will display their pie with one slice cut and plated for the judges to taste. Competitors will be given a 36” space for their display. Pies should be pre-baked and ready for display. Teams may complete some final assembly on site if necessary. Pies must be set up and ready for judging by 10:00 AM. Students may pick up their displays at 10:30. Limit of 2 teams per school for this contest.

Regional Food Identification – 9:00 – 10:00 a.m. (Individual Contest)
Can you tell a rutabaga from a parsnip? Can you recognize an acorn squash? Do you know the difference between a mussel and a clam? Test your culinary skills as you attempt to identify up to 15 American regional food products.

AGRICULTURAL ENGINEERING

Registration for all Ag Engineering Contests will be in Curtis-Mott 117.

Ag Engineering Field Demonstrations - Demonstrations of the latest technology will be ongoing throughout the morning.

Hydraulic and Light Construction Equipment Operation - 9:00 a.m. – 11:00 a.m. (Individual Contest)

Part 1: Student must pass preliminary written test on safe operation and use of controls for the machines to be operated in the contest (Reference: Machine Operator’s Manuals)

Part 2: Students may choose from 1 of the 3 contest listed below….

• Operation of a John Deere 317 Skid Steer with foot controls through a timed obstacle course.
• Operation of a John Deere 650H Dozer through a timed blade-control training course.
• Operation of a Caterpillar 302.5 Excavator moving objects in a confined space. Operator’s choice of Backhoe or Excavator control patterns.

NOTE: Limit of 2 contestants from each school in each of the three options in part 2

Mobile Renewable Energy Demonstration
Come see our cool student-built sun-tracking solar and wind energy trailer near the entrance to Curtis-Mott Hall.

Small Gas Engines & Troubleshooting – 9:00 a.m. – 11:00 a.m. (Individual Contest)

Each contestant will take a timed, written and hands-on test consisting of such topics/tasks as: Overhead valve tappet adjustment, parts identification, fluid identification, engine operation theory, and tool identification. Two individual contestants per school. Contestants must provide their own safety glasses. Tools are not required.
Tractor Driving – 9:00 a.m. – 11:00 a.m. (Individual Contest)

1. Two-wheel trailer event.  2. Four-wheel wagon event.  NOTE: Contest is open to students age 14 and older, with experience in the safe operation of modern agricultural tractors. No limit to the number of contestants per school.

Welding – 9:00 a.m. to 11:00 a.m. (Individual Contest)

Part 1: Written exam on safety and general knowledge.
Part 2: Arc Welding: Contestants will be expected to make a one-sided open electric arc butt weld and a one-sided horizontal fillet weld.

NOTE: Three individual contestants per school. Contestants must supply helmet, gloves, and safety glasses.

ANIMAL AND PLANT SCIENCE

Agriculture Displays and Greenhouse Tours – on going throughout the morning.

Backpack Blower Skee Ball – 9:00 a.m. -11:00 a.m.

A new twist on a classic arcade game. Strap on a gas-powered backpack leaf blower and test your skill of directing a ball off the ramp and into the point buckets. Prizes will be given out on the spot based on individual scores.

Cut Flower Identification – 9:00 a.m. – 11:00 a.m. (Individual Contest)

Identification of 20 cut flowers typically used in the New York State Florist industry by common name. A fresh sample of each flower will be provided. Contestants will be expected to differentiate between varieties of some items (e.g. chrysanthemums).

Dairy Cattle Judging – 9:30 a.m. – 11:00 a.m. (Individual and Team Contest)

The contest will consist of four classes; comprised of cows or heifers from Holstein, Ayrshire, Brown Swiss and Jersey breeds. Five questions will be asked on two classes. Questions will serve as the tie-breaker for both teams and individuals. Twelve minutes will be allowed for each class.

A school may enter a maximum of two teams or eight contestants. A team will consist of 4 members. The top three scoring contestants will comprise the team score, the lowest scoring contestant will be the alternate and will also be eligible for individual honors.

Dairy Skillathon – 9:30 a.m. – 11:00 a.m. (Individual and Team Contest)

Contest will be consist of identification and description of various aspects of the dairy industry. Materials may be identification of breeds, equipment, health products, parts of the animal, dairy products and dairy industry knowledge questions.

Equine Competition – 9:00 a.m. - 11:00 a.m. (Individual and Team Contest)

Contest will be conducted with a strong hands-on component including conformation, assessment, anatomy, and tack identification. Students compete as individuals. Team scores will be tallied. Contest will be conducted at the Upper Equine Center.

Feedstuff Identification Contest – 9:00 a.m. – 11:00 a.m. (Individual Contest)

Students will identify samples of feed. Tiebreaker questions will ask for approximate nutrient concentrations of crude protein, energy expressed as Net Energy for Lactation, fiber measured as Neutral Detergent Fiber and Calcium. All nutrient concentrations will be expressed on a dry matter basis.
ANIMAL AND PLANT SCIENCE (Continued)

Forage and Seed Identification – 9:00 a.m. – 11:00 a.m. (Individual Contest)
Identification of common northeastern U.S. forages by seed and vegetative parts.

Forest Tree Identification – 9:00 a.m. – 11:00 a.m. (Individual Contest)
Trees chosen from Cornell 4-H Bulletin J-85. May use branches with or without fruits and fruits alone.

Insect Identification – 9:00 a.m. – 11:00 a.m. (Individual Contest)
The identification by common name of 25 injurious and beneficial insects found in New York State.

Landscape Design Competition – 9:00 a.m. (Individual Contest)
Test your skills in creating an extreme mini landscape makeover for a client. Contestants will be given a base map of the project site and a list of client’s needs and requests. Students will be given one hour to come up with a concept and draw their design on the base map. All drafting supplies will be provided for the contestants. The contest will begin promptly at 10 am. Students are encouraged to arrive a few minutes early for directions.
CANR 210

Livestock Judging – 9:00 a.m. (Individual and Team Contest)
Classes will be selected from the college’s livestock herds and flocks. Contestants will judge four animals in each class of which could be beef, sheep, swine or meat goats. Questions will be asked in all classes.

Teams of three are required. Four members from a school may compete. The students who score the highest will comprise the team, with the lowest scoring member serving as the alternate.

Livestock Skillathon – 8:30 a.m. to 11:00 (Individual Contest)
Contest will consist of identification and description of various aspects of the livestock industries. Materials may be identification of breeds, feeds, equipment, health products, by products, cuts of meat, parts of the animal as well as management decisions.

Meat Product Identification – 9:00 to 11:00 a.m. (Individual Contest)
 Contest will consist of identification of carcass primals, individual cuts of meat, carcass grading, and meat processing equipment. The species that might be covered are beef, lamb, pork and/or goat.

Backpack Blower Skee Ball Activity: (not a contest)
A new twist on a classic arcade game. Strap on a gas-powered backpack leaf blower and test your skill of directing a ball off the ramp and into the point buckets. Prizes will be given out on the spot based on individual scores.

Tree Climbing Demonstration – 9:00 a.m.
Students can stop by, strap into a harness, and try climbing a tree as an arborist would.

Weed Identification – 9:00 a.m. to 11:00 a.m. (Individual Contest)
Identification of common northeastern U.S. weeds by seed and vegetative parts.
Forestry – 9:00 a.m. – 11:00 a.m. (Individual Contest)

Try your hand at measuring common tree characteristics, including diameter, height, age, and canopy density. A demonstration will be provided of the tools used to measure tree attributes, the students will have a chance to test their skills by measuring several different trees. Students will individually record their values and scores will be assigned on how close they are to the true value.

Insect Identification – 9:00 a.m. – 11:00 a.m. (Individual Contest)

The identification by common name of 25 injurious and beneficial insects found in New York State.

Fisheries and Wildlife – 9:00 a.m. – 11:00 a.m. (Individual and Team Contest)

Part 1: (60 pts.) is a 30-question multiple-choice exam covering basic principles of Fisheries and Wildlife biology and general life history features of major wildlife and fish species. Part 2: (40 pts) is a lab exam. Participants will be asked to identify fish and wildlife species common to New York State.

Part 2: (40 pts.) is a lab exam. Participants will be asked to identify fish and wildlife species common to New York State.

Fly Fishing Demonstration – 9:00 a.m. – 11:00 a.m.

The SUNY Cobleskill chapter of Trout Unlimited will supervise a fly-casting demonstration/practice on the Ag Pond. Fly rods will be supplied for students to try their hand at casting. Targets will be placed out on the water for participants to attempt to hit, testing both distance and accuracy skills. Club members will be on hand to assist with proper casting technique, and to answer questions. This is not a scored event.

Herpetology Open House – 9:00 a.m. to 11:00 a.m.

Wildlife Management students will provide supervision and instruction on the general life, care and handling of common reptiles found in New York. Participants will have the opportunity to handle various species of live reptiles.

Radio Telemetry Contest – 9:00 a.m. – 11:00 a.m. (Demonstration & Individual Contest)

In a brief demonstration, participants will learn the purpose and basic techniques for conducting radio telemetry. They will also have the opportunity to use telemetry to identify the location of radio-tagged wildlife on a map. The participants will be scored based on the closest distances identified to actual tag locations. This event is sponsored by the campus chapter of The Wildlife Society.

Fish Hatchery – Open House (9:00 a.m. to 11:00 a.m.)